



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Michael D. Gilbert  
Serial No. : 09/352,976  
Filed : July 14, 1999  
Title : ELECTRICALLY DISBODING MATERIALS

Art Unit : 1771  
Examiner : Chang, V

Commissioner for Patents  
Washington, D.C. 20231

RESPONSE

In response to the action mailed April 1, 2002, please amend the application as follows.

In the specification:

Please replace the paragraph beginning at page 12, line 12 with the following rewritten paragraph:

-- The electrolyte functionality of the disbondable composition provides ionic conductivity sufficient to maintain a faradic reaction at an interface with an electrically conductive surface. Sufficient conductivity may be readily established by preparing a composition and applying a voltage across a bondline with an electrically conductive substrate. If current flow is observed, a faradic reaction at the bondline may be assumed. Sufficient ionic conductivity also may be empirically observed by applying a voltage across the bondline and noting whether the bond is weakened. Compositions with ionic conductivities in the range of  $10^{-11}$  to  $10^{-5}$  S/cm at room temperature are considered within the scope of the invention. Materials having higher conductivities require shorting disbonding times. Compositions with ionic conductivities in the range of  $10^{-9}$  to  $10^{-7}$  S/cm at room temperature are preferred --

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